

# Product Datasheet

## Monoscreed

Sheet No: PDMSCREED02

Issued: Nov 2018

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### Description

Monoscreed is a fast curing levelling compound used primarily for screeding or taking out deflections / back falls in concrete decks, it could also be used for concrete deck repairs.

### Substrates

Can be applied directly to -

Prepared Cementitious Concrete (where a high bond is required it is better to prime the concrete with Primer C)

Alumasc bitumen primer

Bituminous membranes

### Overlying

Suitable for direct overlay with Hydrotech 6125, bituminous membranes & Caltech QC.

### Mixing

- Pour the 2.0Kg Monoscreed Resin into a suitable receptacle.
- Add the 23.0Kg Monoscreed Filler (Pre-blended including catalyst) and mix thoroughly with a slow speed mechanical agitator or forced action mixer until the material achieves a uniform consistency.

### Application

- 1 Apply by tamp & Trowel
- 2 Pour the Monoscreed onto the substrate / into the repair, tamp the surface to thoroughly compact and remove air and voids, and level using the trowel.
- 3 Allow to cure.

### Tolerance

Can be applied to a minimum of 3mm and max of 50mm in a single layer, if greater depths are required apply in multiple coats. minimum 5mm for trafficked applications

Thinner applications can be achieved, contact Alumasc Technical services for advice.

### Product Data

Packaging      **Resin:** 2.0Kg drums  
                      **Filler:** 23Kg bags

Colour(s)        Grey  
Density           2.11 g/cm<sup>3</sup> approx.

Typical           1m<sup>2</sup>@10mm deep  
Coverage        21.10kg approx.

Pack Size        Supplied in 25.0kg kits, 40 kits per pallet

Physical        EN 13867-1 Adhesion after freeze thaw cycling: >2.0N/mm<sup>2</sup>  
properties      EN 12190 Compressive strength: c.a. 60.8N/mm<sup>2</sup>  
                      EN 12190 Flexural strength: c.a. 20.8N/mm<sup>2</sup>  
                      EN 13057 Capillary absorption (permeability to water) 0.0Kg/(m<sup>2</sup>·h<sup>0.5</sup>)

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Application	Tamp followed by trowel
Curing time	<b>Rainproof:</b> approximately 30 minutes at +20°C <b>Can be subjected to loads after:</b> approximately 45 minutes at +20°C <b>Can be overlaid after:</b> approximately 1 hour at +20°C <b>Note:</b> Curing times will be slightly increased at lower temperatures and slightly reduced at higher temperatures.
Storage	<b>Resin:</b> Should be stored unopened in a cool, dry, well ventilated place above freezing and out of direct sunlight in the original container. If the contents have been opened, re-seal ensuring the lid is air tight. Avoid direct sunlight on site. <b>Filler:</b> Should be stored unopened in a cool, dry, well ventilated place out of direct sunlight in the original container. Avoid direct sunlight on site.
Shelf-life	At least 6 months if stored as above